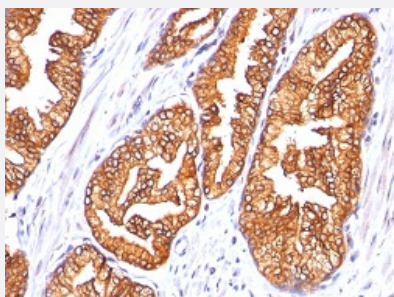


ODC1 monoclonal antibody, clone ODC1/485

Catalog # MAB12141 Size 100 ug

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of human prostate carcinoma stained with ODC1 monoclonal antibody, clone ODC1/485 (Cat # MAB12141).

Specification

Product Description Mouse monoclonal antibody raised against recombinant human ODC1.

Immunogen Recombinant protein corresponding to human ODC1.

Host Mouse

Theoretical MW (kDa) 53

Reactivity Human

Form Liquid

Purification Protein A/G purification

Isotype IgG1, kappa

Recommend Usage
Immunohistochemistry (0.5-1 ug/mL)
Western blot (0.5-1 ug/mL)
The optimal working dilution should be determined by the end user.

Storage Buffer In PBS (0.05% BSA, 0.05% sodium azide).

Storage Instruction

Store at 4°C.
Aliquot to avoid repeated freezing and thawing.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot
- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of human prostate carcinoma stained with ODC1 monoclonal antibody, clone ODC1/485 (Cat # MAB12141).

Gene Info — ODC1

Entrez GeneID[4953](#)**Protein Accession#**[P11926](#)**Gene Name**

ODC1

Gene Alias

ODC

Gene Description

ornithine decarboxylase 1

Omim ID[114500](#) [165640](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

This gene encodes the rate-limiting enzyme of the polyamine biosynthesis pathway which catalyze s ornithine to putrescine. The activity level for the enzyme varies in response to growth-promoting stimuli and exhibits a high turnover rate in comparison to other mammalian proteins. Originally localized to both chromosomes 2 and 7, the gene encoding this enzyme has been determined to be located on 2p25, with a pseudogene located on 7q31-qter. [provided by RefSeq]

Other Designations

-

Pathway

- [Arginine and proline metabolism](#)
- [Biosynthesis of alkaloids derived from ornithine](#)

- [Glutathione metabolism](#)
- [Metabolic pathways](#)

Disease

- [Adenoma](#)
- [Adenomatous Polyposis Coli](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Colon cancer](#)
- [Colonic Neoplasms](#)
- [Colorectal Neoplasms](#)
- [Gastritis](#)
- [Genetic Predisposition to Disease](#)
- [Neoplasm Recurrence](#)
- [Precancerous Conditions](#)
- [Recurrence](#)
- [Stomach Neoplasms](#)